

Title (en)

DROP DETECTOR ASSEMBLY AND METHOD

Title (de)

TROPFENDETEKTORMONTAGE UND VERFAHREN

Title (fr)

ENSEMBLE DÉTECTEUR DE GOUTTE ET PROCÉDÉ ASSOCIÉ

Publication

**EP 2611618 A1 20130710 (EN)**

Application

**EP 10856811 A 20100902**

Priority

US 2010047637 W 20100902

Abstract (en)

[origin: WO2012030344A1] A drop detector assembly includes an ejection element formed on a substrate to eject a fluid drop, and a light detector formed on the substrate to detect light scattered off of the fluid drop. A fluid drop ejected from a nozzle formed in a transparent nozzle plate scatters light that is detected through the transparent nozzle plate.

IPC 8 full level

**B41J 29/38** (2006.01); **G01N 21/47** (2006.01)

CPC (source: EP KR)

**B41J 2/16579** (2013.01 - EP); **B41J 2/195** (2013.01 - EP); **B41J 29/393** (2013.01 - KR); **G01N 21/4785** (2013.01 - KR); **G01N 21/53** (2013.01 - EP); **B41J 2/2146** (2013.01 - EP); **G01N 2021/4702** (2013.01 - KR); **G01N 2021/4709** (2013.01 - EP); **G01N 2021/4733** (2013.01 - KR); **G01N 2021/4764** (2013.01 - EP)

Cited by

EP4265357A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2012030344 A1 20120308**; BR 112013005062 A2 20181016; BR 112013005062 B1 20201027; CN 103180147 A 20130626; CN 103180147 B 20150408; EP 2611618 A1 20130710; EP 2611618 A4 20180404; EP 2611618 B1 20190424; EP 2611618 B8 20190619; JP 2013536775 A 20130926; JP 5620584 B2 20141105; KR 101686285 B1 20161213; KR 20140005874 A 20140115

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